CLAIMS

1. An implant (10, 30, 40) for releasing an active substance (22) into a vessel through which a body medium flows, wherein the implant (10, 30, 40) comprises a basic body (12, 32, 42) which consists of a biodegradable material as substrate for the active substance (22) to be released, and around which the body medium flows on the inside and/or outside.

2. The implant according to Claim 1, characterised in that basic body (12, 32) consists at least in certain regions of a biodegradable magnesium iron or tungsten alloy.

3. The implant according to Claim 2, characterised in that the magnesium alloy is an alloy of the type WE.

4. The implant according to Claim 3, characterised in that the magnesium alloy is an alloy of the type WE43.

5. The implant according to Claim 2, characterised in that the magnesium alloy has a content of 1 and 30% by weight of lithium.

6. The implant according to Claim 2, characterised in that the magnesium alloy has a content of 0.1 to 10% by weight of aluminium.

7. The implant according to Claim 2, characterised in that the magnesium alloy has a content of 0.01 to 2% by weight of zirconium.

8. The implant according to Claim 2, characterised in that the magnesium alloy contains one or a plurality of alloy constituents from the group rare earth metals, yttrium, lithium, aluminium and zirconium.

9. The implant according to any one of the preceding claims, characterised in that the basic body (12, 32) of the implant (10, 30) is designed so that it is able to have a first, non-expanded condition and a second, expanded condition.

10. The implant according to any one of the preceding claims, characterised in that the basic body (12, 32) has

    - on its sides facing the vessel, at least in certain regions, a coating (24) and/or

    - one or a plurality of cavities (26) and/or

    - one or a plurality of hollow bodies (28),

    which contain the active substance (22).

11. The implant according to Claim 1, characterised in that the basic body (12, 32, 42) is tubular, cylindrical, spherical or reticulate.

12. An application of an implant according to any one of Claims 1 to 11 for regional drug delivery (RDD).

13. The application of an implant according to any one of Claims 1 to 11 for tumour treatment.